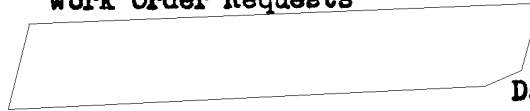


CONFIDENTIAL*Not required*
File RD-128, T.O.3~~S-E-C-R-E-T~~**Service Contract
Work Order Requests**Date: 27 May 1959

ILLEGIB

TO : Chief, Research and Development Branch, OC-E

FROM: Chief, ELINT Activities Branch, OC-SP

1. Description of work requested

It is requested that one ANTENNA, Disc-cone, 50-400 mc/s,
Stock # 5/5985-H99-1987, be modified so that antenna can be
disassembled and contained in a plywood box 18" x 24½" x 6".

2. List drawings, sketches, or samples accompanying requests:

Attached.

Requested by 

Chief, SP/EA

25X1

Contractor's Price estimate \$ 905.00Contractor's Delivery estimate 21 days after receipt of order.Estimate accepted by 

25X1

OC-SP

Work Order No. _____ issued _____

Contractor _____

~~S-E-C-R-E-T~~Addressee: 1 copy only**CONFIDENTIAL**

DOC <u>5</u>	REV DATE <u>10/4/96</u>	BY <u>37169</u>
ORIG COMP <u>33</u>	OPI <u>56</u>	TYPE <u>2</u>
ORIG CLASS <u>5</u>	PAGES <u>3</u>	REV CLASS <u>6</u>
JUST <u>22</u>	NEXT REV <u>2010</u>	AUTH: <u>HS 10-2</u>

ORDER NO. 2

WORK DESCRIPTION CONTINUED

ATTACHMENT A

- ~~ONE~~
1. Fabricate ~~five~~ ^{ONE} top plates and cut the ~~five~~ modified discone antennas as shown on the attached drawing.
 2. Reassemble ~~one~~ antenna and make the following far field test measurements:
 - a) E and H plane pattern measurements at 50, 75, 100, 150, 190, 250, 350, and 500 mc points.
 - b) Gain measurements relative to a dipole at the points shown in (a).
 - 2.3. Disassemble the antenna ~~measured~~ and pack the ~~five~~ ^{ONE} antennas in shipping boxes. ~~Each antenna will require two plywood boxes not to exceed external dimensions of 18" x 24 1/2" x 6" < Include all hardware and a set of assembly and disassembly instructions with each antenna. Number the boxes in pairs, No. 21 through No. 25. Do not seal the box covers. Use metal strapping or cord for shipping to the contracting organization.~~
 4. Deliverable Items

~~ONE~~

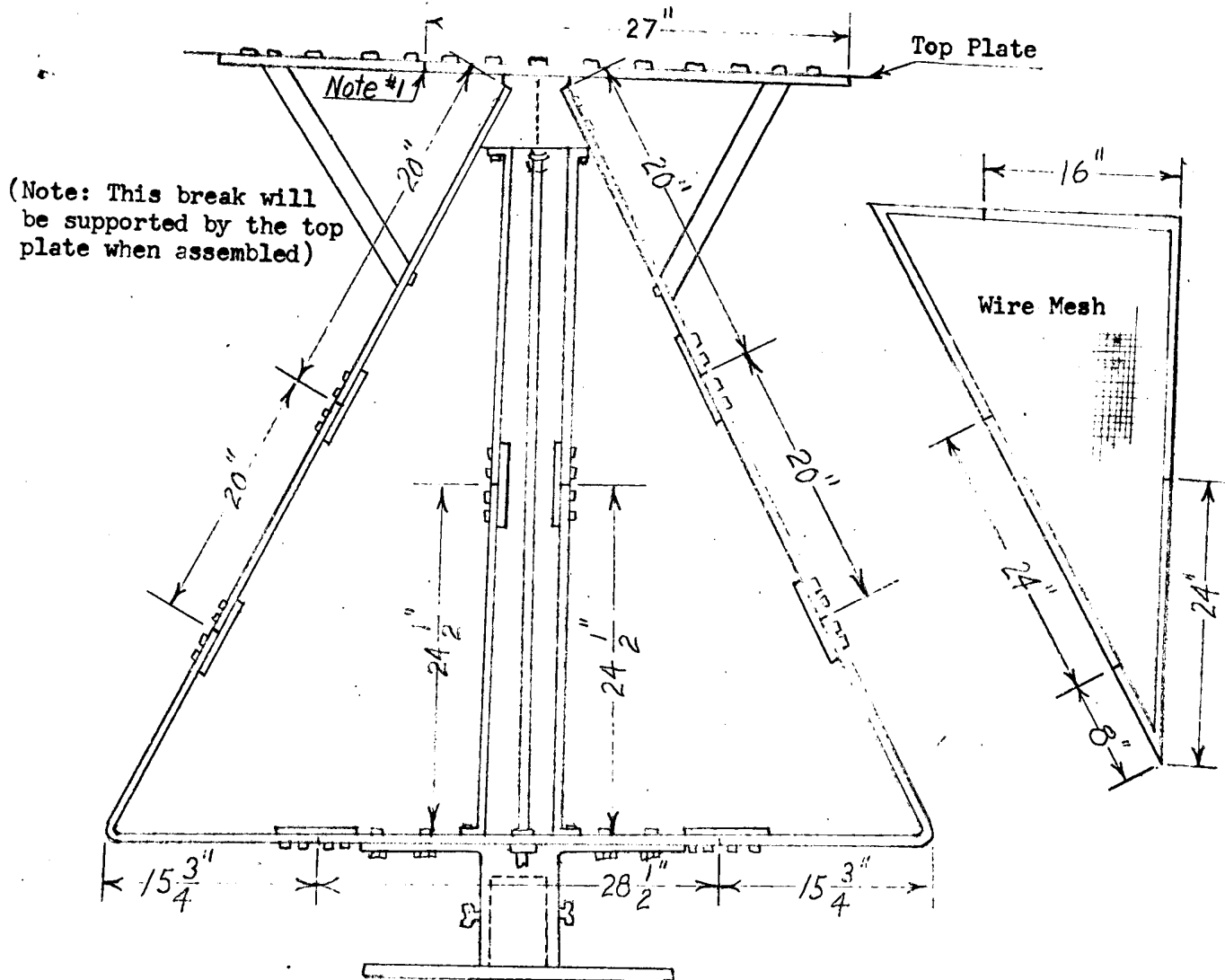
 - a) ~~Five~~ GFE antennas cut and boxed.
 - b) ~~One reproducible and three copies of Test Data.~~
 - c) ~~One reproducible and five copies of Assembly and Disassembly Instructions~~ (Five copies to be packed with antennas).

S-E-C-R-E-T

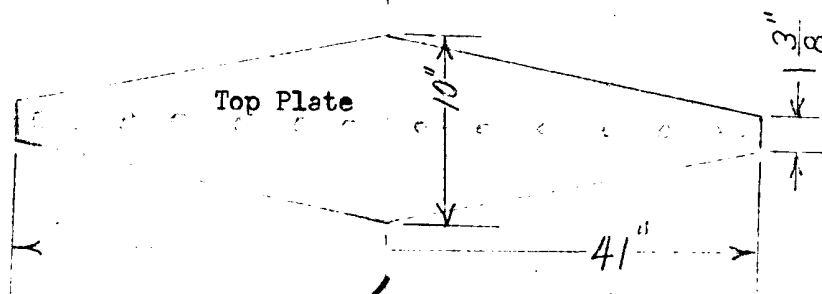
~~S-E-C-R-E-T~~

MODIFIED DISCONE ANTENNA CUTTING INSTRUCTIONS

1. Disassemble antenna and cut sections to dimensions shown below.
2. Cut supporting sections of wire mesh to permit bending of mesh for packing.
3. Fabricate straps for reassembly of the antenna.
4. Supply 1/4" NF round head machine screws and lock washers.



5. Fabricate .030" aluminum top plates, these plates will not be cut, they will be bent to fit into the shipping crate.

~~S-E-C-R-E-T~~